# Yazan Alhelo

Forward Deployed Engineer · Healthcare Integration & AI
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| PORTFOLIO | LIVE AI DEMO | LINKEDIN | GITHUB |
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| yazanalhelo.com | Cura AI | Yazan Alhelo | YazanMonther |

## SUMMARY

Healthcare IT engineer who takes clinical systems from requirements through SIT, UAT and go-live. I deploy Omnicell medication automation integrated with hospital EHRs (Cerner, Epic, Mediware) across 10+ UAE hospitals, working directly with pharmacists, nurses and hospital IT. I lead a 3-person remote team on a US 340B analytics platform and built Cura AI, a multilingual AI scribe and clinical assistant that works in Arabic and English.

## EXPERIENCE

**Integration Engineer, Healthcare IT — Hospinorm (Gulf Drug LLC), Dubai** *Feb 2025 – Present*

- Deploy and support Omnicell medication cabinets across 10+ DHA, SEHA and private hospitals (Dubai Hospital, SKGH, KCH, Fakeeh, PRIME Health); lead the Abu Dhabi Civil Defence medical warehouse deployment.
- Run **SIT** for HL7 interfaces between EHRs and Omnicell (Cerner via Rhapsody, Epic and mock-HIS via Mirth, Mediware): every stream tested end to end (ADT, RDE, DFT, ZPM) with evidence for client sign-off. Support **UAT** with pharmacy and nursing teams before go-live.
- Plan cutovers around hospital maintenance windows: production snapshot, one-cabinet pilot, then full rollout.
- Wrote the full Cerner–Omnicell functional specification for Greenfields Abu Dhabi, including an HL7 mapping gap analysis. Turn clinical requests into configuration: cabinet mappings, unit merges, bed board changes.
- Debug production issues across systems: traced KCH stock updates missing in Cerner to wrong interface mappings and fixed them; traced a NICU patient missing from a cabinet through Epic, Mirth and cabinet logs.
- Wrote go-live guides for nurses and pharmacists, trained staff on 30 Cerner-integrated cabinets at SKGH, and ran CVE remediation on clinical servers with SEHA and vendors.

**Development Team Lead — ClearMetrX (US), remote via partner firm** *Feb 2024 – Present*

- Lead a 3-developer team building ClearMetrX, a healthcare analytics platform for the US **340B drug pricing program**, serving 40+ covered entities and 5 pharmacies.
- Full-stack .NET development: ASP.NET Core APIs, Angular front end, SQL Server / Azure SQL data models, deployed on Azure.
- Build 340B compliance analytics such as virtual inventory reconciliation, invoice processing and reporting for covered entities.
- Building v4.0: AI Master (a RAG-based AI assistant inside the product), Activity Intelligence and Dynamic User Management; write the progress updates used in CEO reviews.
- Own SQL pipelines processing millions of records daily; fixed Azure SQL blocking that was stalling invoice updates in production.

## PROJECT

**Cura AI — AI clinical assistant (my own project)** *curaai.azurewebsites.net*

- Transcribes doctor–patient conversations in 12 languages including Arabic, labels speakers, and generates SOAP notes and visit summaries.
- Patient chart with an AI assistant for summaries, differential diagnosis and drug interactions, plus a "what if" simulator for medication changes. Demo uses fictional patients only.

## SKILLS

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| **Deployment & testing** | SIT, UAT, go-live and cutover planning, test evidence, clinical staff training |
| **Healthcare integration** | HL7 v2.x (ADT, RDE, RDS, DFT, ZPM, ORU), FHIR, Mirth Connect, Rhapsody, Cerner, Epic, Mediware, Omnicell |
| **AI** | LLM applications, RAG, prompt design, clinical transcription and summarization, Claude Code, MCP |
| **Engineering** | .NET Core / C#, ASP.NET Core, Angular, SQL Server, Azure SQL, Azure, REST APIs |
| **Security** | CVE remediation, Qualys scans, firewall rules for clinical systems |

## EDUCATION, CERTIFICATIONS & RECOGNITION

**Bachelor of IT in Software Engineering — Zarqa University, Jordan** *2024*

**Certificate of Appreciation — Omnicell Project, Sheikh Khalifa General Hospital** *Recognition*

**IBM RAG and Agentic AI Professional Certificate** *In progress*

**Problem Solving Programming Contest — Zarqa University** *Aug 2023*

**Languages:** English (fluent), Arabic (native)